TRANSMITTAL

Electronic Version v1.1

Stylesheet Version v1.1.0

Title of
Invention

CERAMIC MIXED PROTONIC/ELECTRONIC CONDUCTING MEMBRANES FOR HYDROGEN SEPARATION

Application Number:

Date:

First Named Applicant:

Singaravelu Elangovan

Confirmation Number:

Attorney Docket Number: CER-041113

I hereby certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.

I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.

Submitted By:	Elec. Sign.	Sign. Capacity
Jody L. Factor	//jodyl.factor//	Attorney
Registered Number: 34157		

us-request us-declaration Us-declaration Us-declaration ctri us-fee-sheet Us-fee-sheet Us-fee-sheet Us-fee-sheet Us-fee-sheet Us-fee-sheet Us-fee-sheet Us-fee-sheet Us-fee-sheet ctri Us-fee-sheet dtd Us-fee-sheet dt	Documents being submitted:	Files
us-request.x8l us-request.x8l us-declaration us-declaration.dtd us-declaration.x8l CER04.11.3 - usfees.xml us-fee-sheet xsl us-fee-sheet dtd application-body application-body.xsl application-body.dtd wipo.ent mathml2.dtd mathml2.qname-1.mod isoamsa.ent isoamsa.ent isoamso.ent isoamso.ent isoamsr.ent isoamsr.ent isomsof.ent isomscr.ent isomscr.ent isomscr.ent isotech.ent isobox.ent isocyr1.ent isodia.ent isolat2.ent isolat2.ent isopub.ent mmlalias.ent soextblx.dtd fig1.TiF fig2 tif fig3.tif	-	
us-declaration CER041113-usdecl.xml us-declaration.xsl us-declaration.xsl us-fee-sheet CER041113-usfees.xml us-fee-sheet.xl us-fee-sheet.dtd application-body apln-trans.xml us-application-body.xsl application-body.dtd wipo.ent mathml2.dtd mathml2-qname-1.mod isoamsa.ent isoamsa.ent isoamsa.ent isoamsn.ent isoamsn.ent isoamsr.ent isogrk3.ent isomfrk.ent isomfrk.ent isomscr.ent isobx.ent isobx.ent isobx.ent isodia.ent isolat1.ent isolat2.ent isonum.ent isopub.ent mmlextra.ent mmlextra.ent mmlextra.ent mmlatas.ent soextblx.dtd fig1.TiF fig2.ttf fig3.tif	us-request	
us-declaration		
us-fee-sheet CER04113-usfees.xml us-fee-sheet.xsl us-fee-sheet.xsl us-fee-sheet.dtd aph-trans.xml us-application-body.xsl application-body.xsl application-body.dtd wipo.ent mathml2.dtd mathml2.dtd mathml2-qname-1.mod isoamsa.ent isoamsb.ent isoamsc.ent isoamsn.ent isoamsr.ent isoamsr.ent isomfrk.ent isomopf.ent isomopf.ent isobox.ent isobox.ent isocyr1.ent isobx.ent isolat.ent isolat2.ent isolat2.ent isonum.ent isopub.ent mmlextra.ent mmlextra.ent mmlalias.ent soextblx.dtd fig1.TIF fig2.tif fig3.tif		· · · · · · · · · · · · · · · · · · ·
us-fee-sheet CER041113-usfees.xml us-fee-sheet xsl us-fee-sheet.dtd application-body apln-trans.xml us-application-body.xsl application-body.dtd wipo.ent mathml2.dtd mathml2.dtd mathml2-dname-1.mod isoamsa.ent isoamsb.ent isoamsc.ent isoamsc.ent isoamsc.ent isoamsc.ent isoamsc.ent isoamsc.ent isoamsc.ent isomfrk.ent isomfrk.ent isomopf.ent isomscr.ent isobx.ent isocyr1.ent isocyr1.ent isocyr2.ent isodia.ent isolat2.ent isonum.ent isopub.ent mmlextra.ent mmlatias.ent soextbk.dtd fig1.TIF fig2.tif fig3.tif	us-declaration	
us-fee-sheet us-fee-sheet.xsl us-fee-sheet.dtd application-body apln-trans.xml us-application-body.xsl application-body.xsl application-body.dtd wipo.ent mathml2.dtd mathml2-qname-1.mod isoamsa.ent isoamsc.ent isoamsc.ent isoamsn.ent isoamsr.ent isoamsr.ent isoamsr.ent isoamsr.ent isomfrk.ent isomfrk.ent isomsc.ent isobox.ent isobox.ent isobox.ent isodt1.ent isolat1.ent isoput.ent mmlextra.ent mmlatias.ent soextbk.dtd fig1.TIF fig2.tif fig3.tif		
us-fee-sheet.dtd aph-trans.xml us-application-body.xsl application-body.xsl application-body.xsl application-body.dtd wipo.ent mathml2-qtd mathml2-qtdme-1.mod isoamsa.ent isoamsc.ent isoamsc.ent isoamsr.ent isoamsr.ent isoamsr.ent isoamsr.ent isomfrk.ent isomfrk.ent isomsc.ent isobox.ent isobox.ent isotech.ent isobox.ent isoty12.ent isodia.ent isolat1.ent isolat2.ent immlextra.ent mmlatias.ent soextbk.dtd fig1.TIF fig2.tif fig3.tif		
us-fee-sheet.dtd application-body apin-trans.xml us-application-body.xsl application-body.dtd wipo.ent mathml2.dtd mathml2-qname-1.mod isoamsa.ent isoamsb.ent isoamsc.ent isoamsc.ent isoamsr.ent isomsr/e.ent isomscr.ent isotech.ent isotech.ent isotech.ent isoteyr2.ent isodia.ent isodia.ent isoalat.ent isoalat.ent isonum.ent isopub.ent mmlextra.ent mmlalias.ent soextblx.dtd fig1.TIF fig2.tif fig3.tif	us-fee-sheet	
application-body apln-trans.xml us-application-body.xsl application-body.dtd wipo.ent mathml2.dtd mathml2-qname-1.mod isoamsa.ent isoamsb.ent isoamsc.ent isoamsc.ent isoamsr.ent isoamsr.ent isoamsr.ent isoamsr.ent isompf.ent isompf.ent isompf.ent isomorf.ent isobox.ent isobox.ent isocyr1.ent isocyr2.ent isolat1.ent isolat2.ent isopub.ent mmlextra.ent mmlailas.ent soextblx.dtd fig1.TIF fig2.tif fig3.tif		us-fee-sheet.xsl
us-application-body.xsl application-body.dtd wipo.ent mathml2.dtd mathml2-qname-1.mod isoamsa.ent isoamsb.ent isoamsc.ent isoamsc.ent isoamsr.ent isoamsr.ent isoamsr.ent isoamsr.ent isomfrk.ent isomscr.ent isomscr.ent isotch.ent isobox.ent isotch.ent isotch.ent isotyr1.ent isotyr2.ent isotla.ent isolat1.ent isolat2.ent mmlextra.ent mmlalias.ent soextblx.dtd fig1.TIF fig2.tif fig3.tif		us-fee-sheet.dtd
application-body.dtd wipo.ent mathml2.dtd mathml2-qname-1.mod isoamsa.ent isoamsb.ent isoamsc.ent isoamsc.ent isoamsr.ent isoamsr.ent isoamsr.ent isomfrk.ent isomfrk.ent isomopf.ent isomscr.ent isotech.ent isobox.ent isodia.ent isodia.ent isolat1.ent isolat2.ent isonum.ent isopub.ent mmladias.ent soextblx.dtd fig1.TIF fig2.tif fig3.tif	application-body	apIn-trans.xml
wipo.ent mathml2.dtd mathml2-qname-1.mod isoamsa.ent isoamsb.ent isoamsc.ent isoamsn.ent isoamsr.ent isoamsr.ent isoamsr.ent isomfrk.ent isomfrk.ent isompf.ent isomsc.ent isotox.ent isover1.ent isovey1.ent isovy2.ent isoda1.ent isola1.ent isonum.ent isopub.ent mmlextra.ent mmlalias.ent soexblx.dtd fig1.TIF fig2.tif fig3.tif		us-application-body.xsl
mathml2-dtd mathml2-qname-1.mod isoamsa.ent isoamsb.ent isoamsb.ent isoamsn.ent isoamsr.ent isoamsr.ent isoamsr.ent isoamfrk.ent isomoff.ent isomof.ent isomocr.ent isobox.ent isobox.ent isocyr1.ent isocyr2.ent isodia.ent isolat1.ent isolat2.ent isonum.ent isopub.ent mmlextra.ent mmlalias.ent soextbx.dtd fig1.TIF fig2.tif fig3.tif		application-body.dtd
mathml2-qname-1.mod isoamsa.ent isoamsb.ent isoamsc.ent isoamsn.ent isoamsn.ent isoamsr.ent isoamsr.ent isoamsr.ent isoamsr.ent isompf.ent isompf.ent isompf.ent isomscr.ent isotech.ent isobox.ent isocyr1.ent isocyr2.ent isodia.ent isolat1.ent isolat2.ent isonum.ent isopub.ent mmlextra.ent mmlalias.ent soextblx.dtd fig1.TIF fig2.tif fig3.tif		wipo.ent
isoamsa.ent isoamsb.ent isoamsc.ent isoamsn.ent isoamsn.ent isoamsr.ent isoamsr.ent isoamsr.ent isoamsr.ent isoamsr.ent isomfrk.ent isompf.ent isomscr.ent isotech.ent isobox.ent isocyr1.ent isocyr2.ent isodia.ent isolat1.ent isolat2.ent isonum.ent isopub.ent mmlextra.ent mmlalias.ent soextbix.dtd fig1.TIF fig2.tif fig3.tif		mathml2.dtd
isoamsa.ent isoamsb.ent isoamsc.ent isoamsn.ent isoamsn.ent isoamsr.ent isoamsr.ent isoamsr.ent isoamsr.ent isoamsr.ent isomfrk.ent isompf.ent isomscr.ent isotech.ent isobox.ent isocyr1.ent isocyr2.ent isodia.ent isolat1.ent isolat2.ent isonum.ent isopub.ent mmlextra.ent mmlalias.ent soextbix.dtd fig1.TIF fig2.tif fig3.tif		mathml2-qname-1.mod
isoamsc.ent isoamsn.ent isoamsn.ent isoamsr.ent isoamsr.ent isoamsr.ent isoamsr.ent isogrk3.ent isomfrk.ent isomopf.ent isomscr.ent isotech.ent isobox.ent isocyr1.ent isocyr2.ent isodia.ent isolat1.ent isolat2.ent isonum.ent isopub.ent mmlextra.ent mmlalias.ent soextblx.dtd fig1.TIF fig2.tif fig3.tif		
isoamsn.ent isoamsr.ent isoamsr.ent isoamsr.ent isogrk3.ent isomfrk.ent isomopf.ent isomscr.ent isotech.ent isobox.ent isocyr1.ent isocyr2.ent isodia.ent isolat1.ent isolat2.ent isonum.ent isopub.ent mmlextra.ent mmlalias.ent soextblx.dtd fig1.TIF fig2.tif fig3.tif		isoamsb.ent
isoamso.ent isoamsr.ent isogrk3.ent isomfrk.ent isomopf.ent isomscr.ent isotech.ent isotech.ent isotox.ent isocyr1.ent isocyr2.ent isodia.ent isolat1.ent isolat2.ent isonum.ent isopub.ent mmlextra.ent mmlalias.ent soextblx.dtd fig1.TIF fig2.tif fig3.tif		isoamsc.ent
isoamsr.ent isogrk3.ent isomfrk.ent isomopf.ent isomscr.ent isotech.ent isobox.ent isocyr1.ent isocyr2.ent isodia.ent isolat1.ent isolat2.ent isonum.ent isopub.ent mmlextra.ent mmlalias.ent soextblx.dtd fig1.TIF fig2.tif fig3.tif		isoamsn.ent
isogrk3.ent isomscr.ent isomscr.ent isotech.ent isotech.ent isotyr1.ent isocyr2.ent isodia.ent isolat1.ent isolat2.ent isonum.ent isopub.ent mmlextra.ent mmlalias.ent soextblx.dtd fig1.TIF fig2.tif fig3.tif		isoamso.ent
isomfrk.ent isomopf.ent isomscr.ent isotech.ent isobox.ent isocyr1.ent isocyr2.ent isodia.ent isolat1.ent isolat2.ent isonum.ent isopub.ent mmlextra.ent mmlalias.ent soextblx.dtd fig1.TIF fig2.tif fig3.tif		isoamsr.ent
isomfrk.ent isomopf.ent isomscr.ent isotech.ent isobox.ent isocyr1.ent isocyr2.ent isodia.ent isolat1.ent isolat2.ent isonum.ent isopub.ent mmlextra.ent mmlalias.ent soextblx.dtd fig1.TIF fig2.tif fig3.tif		isogrk3.ent
isomscr.ent isotech.ent isobox.ent isocyr1.ent isocyr2.ent isodia.ent isolat1.ent isolat2.ent isonum.ent isopub.ent mmlextra.ent mmlalias.ent soextblx.dtd fig1.TIF fig2.tif fig3.tif		-
isotech.ent isobox.ent isocyr1.ent isocyr2.ent isodia.ent isolat1.ent isolat2.ent isonum.ent isopub.ent mmlextra.ent mmlalias.ent soextblx.dtd fig1.TIF fig2.tif fig3.tif		isomopf.ent
isobox.ent isocyr1.ent isocyr2.ent isodia.ent isolat1.ent isolat2.ent isonum.ent isopub.ent mmlextra.ent mmlalias.ent soextblx.dtd fig1.TIF fig2.tif fig3.tif		isomscr.ent
isocyr1.ent isocyr2.ent isodia.ent isolat1.ent isolat2.ent isonum.ent isopub.ent mmlextra.ent mmlalias.ent soextblx.dtd fig1.TIF fig2.tif fig3.tif		isotech.ent
isocyr2.ent isodia.ent isolat1.ent isolat2.ent isonum.ent isopub.ent mmlextra.ent mmlalias.ent soextblx.dtd fig1.TIF fig2.tif fig3.tif		isobox.ent
isocyr2.ent isodia.ent isolat1.ent isolat2.ent isonum.ent isopub.ent mmlextra.ent mmlalias.ent soextblx.dtd fig1.TIF fig2.tif fig3.tif		isocyr1.ent
isodia.ent isolat1.ent isolat2.ent isonum.ent isopub.ent mmlextra.ent mmlalias.ent soextblx.dtd fig1.TIF fig2.tif fig3.tif		
isolat1.ent isolat2.ent isonum.ent isopub.ent mmlextra.ent mmlalias.ent soextblx.dtd fig1.TIF fig2.tif fig3.tif		
isolat2.ent isonum.ent isopub.ent mmlextra.ent mmlalias.ent soextblx.dtd fig1.TIF fig2.tif fig3.tif		
isonum.ent isopub.ent mmlextra.ent mmlalias.ent soextblx.dtd fig1.TIF fig2.tif fig3.tif		
isopub.ent mmlextra.ent mmlalias.ent soextblx.dtd fig1.TIF fig2.tif fig3.tif		isonum.ent
mmlextra.ent mmlalias.ent soextblx.dtd fig1.TIF fig2.tif fig3.tif		
mmlalias.ent soextblx.dtd fig1.TIF fig2.tif fig3.tif		
soextblx.dtd fig1.TIF fig2.tif fig3.tif		
fig1.TIF fig2.tif fig3.tif		
fig2.tif fig3.tif		
fig3.tif		-
-		
	Comments	